

FUNCTIONALIZED POLY(ARYLENE ETHER) COMPOSITION AND PROCESS

ABSTRACT OF THE DISCLOSURE

[0048] A functionalized poly(arylene ether) having a pendant carbon-carbon double bond is prepared by reacting the hydroxy end group of a poly(arylene ether) with a polyisocyanate compound to produce a urethane-capped poly(arylene ether) having pendant isocyanate functionality, which is then reacted with a polyfunctional compound having a carbon-carbon double bond and a hydroxy, thiol, or amino group. The functionalized poly(arylene ether) is useful as a component of a curable composition in which its carbon-carbon double bond copolymerizes with one or more olefinically unsaturated comonomers.